## CLAIMS

1. A recombinant DNA molecule comprising pancreas expressed chemokine (panec-1) gene, whose nucleotide sequence is shown in SEQ ID NO 1.
2. A diagnostic test for activated or inflammatory conditions of the pancreas comprising the steps of
   a) providing a biological sample; and
   b) combining the biological sample with the DNA molecule of claim 1 or a fragment thereof.
3. The diagnostic test of claim 2 wherein the activated condition comprises pancreatitis.
4. The antisense DNA of the DNA molecule of claim 1.
5. An expression vector comprising the DNA molecule of claim 1.
6. A host cell transformed with the expression vector of claim 5.
7. A method for producing the pancreas expressed chemokine polypeptide (PANEC-1), said method comprising the steps of
   a) culturing the host cells of claim 6 under conditions suitable for the expression of PANEC-1; and
   b) recovering PANEC-1 from the cell culture.
8. A purified PANEC-1 polypeptide whose amino acid sequence is shown in SEQ ID NO 2.
9. An antibody specific for the polypeptide of claim 8.
10. A diagnostic test for activated or inflamed conditions of the pancreas comprising the steps of
    a) providing a biological sample; and
    b) combining the biological sample with the antibody of claim 9.
11. A pharmaceutical composition comprising the antibody of claim 9 and a pharmaceutically acceptable excipient.
12. A method of treating the activated or inflamed condition of the pancreas comprising administering to an individual suffering therefrom the pharmaceutical composition of claim 11 in an effective dosage.
13. A recombinant DNA molecule comprising pancreas expressed chemokine (panec-2) gene, whose nucleotide sequence is shown in SEQ ID NO 3.
14. A diagnostic test for activated or inflammatory conditions of the pancreas comprising the

steps of

a) providing a biological sample; and

b) combining the biological sample with the DNA molecule of claim 13 or a fragment thereof.

15. The diagnostic test of claim 14 wherein the activated condition comprises pancreatitis.
16. The antisense DNA of the DNA molecule of claim 13.
17. An expression vector comprising the DNA molecule of claim 13.
18. A host cell transformed with the expression vector of claim 17.
19. A method for producing the pancreas expressed chemokine polypeptide (PANEC-2), said method comprising the steps of

a) culturing the host cells of claim 18 under conditions suitable for the expression of PANEC-2; and

b) recovering PANEC-2 from the cell culture.

20. A purified PANEC-2 polypeptide whose amino acid sequence is shown in SEQ ID NO 4.
21. An antibody specific for the polypeptide of claim 20.
22. A diagnostic test for activated or inflamed conditions of the pancreas comprising the steps of

a) providing a biological sample; and

b) combining the biological sample with the antibody of claim 21.

23. A pharmaceutical composition comprising the antibody of claim 21 and a pharmaceutically acceptable excipient.
24. A method of treating an activated or inflamed condition of the pancreas comprising administering to an individual suffering therefrom the pharmaceutical composition of claim 23 in an effective dosage.